

# Comparisons of Job Characteristics

**Focus Occupation:** [Medical and Clinical Laboratory Technologists \(29-2011\)](#)

**Associated Occupation:** [Cardiovascular Technologists and Technicians \(29-2031\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 66

**Focus Occupation:** Medical and Clinical Laboratory Technologists (29-2011)

**Associated Occupation:** Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Customer and Personal Service	11.3	18.0	8.9	<< Extensive education and/or training may be required
Medicine and Dentistry	3.7	17.4	10.1	<< Extensive education and/or training may be required
Biology	3.7	9.9	16.7	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Medical and Clinical Laboratory Technologists (29-2011)

**Associated Occupation:** Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Monitoring	9.9	11.6	10.1	< A higher skill level may be required
Science	4.5	10.6	10.9	0 Current skill level may be sufficient
Service Orientation	7.9	10.5	6.6	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.1	7.4	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 91

**Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)**  
**Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Problem Sensitivity	11.1	14.8	13.0	<	Some improvement in abilities may be required
Oral Comprehension	12.5	13.7	13.4	0	Current ability level may be sufficient
Oral Expression	12.4	13.6	13.0	0	Current ability level may be sufficient
Near Vision	11.1	11.4	14.0	>	Current ability level is likely sufficient
Written Comprehension	11.0	11.1	12.7	>	Current ability level is likely sufficient
Information Ordering	9.9	11.0	11.4	0	Current ability level may be sufficient
Deductive Reasoning	10.6	10.7	12.2	>	Current ability level is likely sufficient
Inductive Reasoning	10.2	10.7	12.4	>	Current ability level is likely sufficient
Written Expression	9.8	10.7	10.7	0	Current ability level may be sufficient
Selective Attention	8.7	10.0	9.8	0	Current ability level may be sufficient
Perceptual Speed	7.4	9.7	9.3	0	Current ability level may be sufficient
Time Sharing	6.6	8.0	5.6	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 76

**Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)**  
**Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)**

Work Activities	Exclusivity of Activity
Analyze medical data	57
Communicate technical information	4
Follow infectious materials procedures	52
Understand technical operating, service or repair manuals	6
Use clinical sterilizing technique	71
Use hazardous materials information	35
Use knowledge of medical terminology	40
Use quality assurance techniques	61
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 49

**Focus Occupation: Medical and Clinical Laboratory Technologists (29-2011)**  
**Associated Occupation: Cardiovascular Technologists and Technicians (29-2031)**

<b>Tools and Technologies</b>	<b>Exclusivity</b>
Autoclave and sterilizer equipment and accessories	12
Business function specific software	1
Clinical and diagnostic analyzers and accessories and supplies	18
Computer printers	2
Computers	1
Data management and query software	1
Diagnostic assessment and exam products for general use	21
Industry specific software	1
Injection and aspiration needles and accessories	25
Laboratory centrifuges and accessories	13
Light and wave generating and measuring equipment	4
Patient point of care testing supplies and equipment	23
Specimen collection and transport containers and supplies	14
Surgical support supplies	33
Syringes and accessories	14
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.